Respirator Fit Testers

PORTACOUNT® Pro and Pro+ Quantitative Respirator Fit Test Systems

Replaces retired TSI PortaCount Plus 8020 and N-95 Companion

Complete Passed

Guaranteed In Stock!
For rentals one week or longer

What's a Fit Factor? And which "pass value" should I use for my tests?

Fit factor is a numeric estimate of the fit of a particular respirator or mask to a specific person. It gives a ratio of the concentration of a substance in ambient air to the concentration that leaks into the respirator or mask during testing.

When you're talking about fit factors and the TSI PortaCount, it's the calculation the system makes during the simulation exercise:

$$\text{Fit Factor} = \frac{\text{Concentration of challenge aerosol outside the respirator}}{\text{Aerosol concentration that leaks into the respirator during a test}}$$

Testers use the fit factor as "numeric proof" to show (a) that the person is using the proper mask for their face shape, and (b) that they can put the mask on repeatedly and achieve the same fit results. It gives repeatable, quantitative evidence that a user is properly protected in a hazardous environment.

OSHA requires that people wearing full face respirators must be able to minimally achieve a Fit Factor of 500 or better. For half face masks, the fit factor must be 100 or above.

What equipment do I need to do a fit test?

You need (1) the right fit testing system for your mask type, (2) your own masks, and (3) mask adapters that connect your masks to the fit test system.

If you use a popular half- or full-face mask type, we'll include the mask adapter with your rental kit for no charge. Otherwise, you can buy TSI mask adapters from RAECO Rents and keep them for your annual tests.

To fit test disposable masks, you don't need any special adapter, just the sample push probes that come with the TSI PortaCount Pro+ 8038 kit (the only quantitative kit suitable for testing N95 masks).

Which model fit test system do you need?

PortaCount Pro 8030

For disposable filtering facepieces Series 100, 99, P3, and HEPA masks, half and full-face masks, gas masks, PAPR, and SCBA mask fit testing.

D	W	M
$150.00 Daily	**$450.00** Weekly	Call Us!

PortaCount Pro+ 8038

Fit test ANY tight-fitting respirator, plus N95, P2, and P1 disposables; OSHA-compliant for all respirators. Combines functions of retired TSI 8020 and 8095.

D	W	M
$200.00 Daily	**$600.00** Weekly	Call Us!

TSI 8030 kit ships with *AC adapter, alcohol cartridge, alcohol fill capsule, storage cap, two zero check filters, alcohol supplies, 3/16" and 1/4" hose adapters, two spare alcohol wicks, carrying case, FitPro software and tutorial CDs, 1GB flash memory drive, USB cable, user manual, and calibration certificate.*

TSI 8038 kit ships with *AC adapter, alcohol cartridge, alcohol fill capsule, storage cap, two zero check filters, alcohol supplies, 3/16" and 1/4" hose adapters, two spare alcohol wicks, 25 sampling probes, probe insertion tool, neck strap, carrying case, FitPro software and tutorial CDs, 1GB flash memory drive, USB cable, user manual, and calibration certificate.*

Don't let a low particle count derail your testing schedule. Get a TSI 8026 particle generator free with any PortaCount rental.

Also available to rent separately, $50.00/day, $160.00/week.

"I was very pleased renting equipment from you for the first time. It arrived on time. I was able to review the equipment that afternoon (Portacount) and set up the people in the database that I would be conducting the fit test on the next morning. Thank you! We will use you again!"
— Kristy K., Industrial Hygienist

Visit www.RaecoRents.com
E-mail rents@RaecoRents.com
Call 866-736-8347

Mask Adapters and Fit Testing Supplies

These mask adapters are available for FREE with any PORTACOUNT® rental.

Popular adapter kits available free with your fit test system rental.

Don't forget your respirator adapter kit!

Mask adapters are required for fit testing. If you don't have an adapter for your model respirator mask, we can provide it for you.

If you use a popular brand and model respirator, we can provide an adapter kit free with your fit test system order. See the yellow highlighted models in the chart at the right.

If you use a respirator that's not on the highlighted list, the adapter kit is available to purchase, so you'll have it on hand for annual testing.

Kits generally include the adapter that connects your mask to the fit tester, P100 HEPA filters, and disposable components.

If you need additional test supplies, buy the refill kit that matches your mask adapter kit. For-sale kits have enough supplies for 200 tests. Rental kits come with enough supplies for 25 tests.

Do IT security policies make it a hassle to install FitPro on your company PC?

Avoid the hassles and delays!
Rent a laptop pre-loaded with the software for your project
$35.00/day, $105.00/week.

Adapter to Fit...	Refill Kit	Catalog Number	Price
3M masks, Including those with detachable filters	800553	8025-16	$310.00
Avon masks with drink tube (Also fits US M50)	801633	8025-AVON	155.00
Dräger Combitox Nova RD91, Cirrus RD91		8025-24	220.00
Dräger masks w/ 40mm filter threads or snap-in connectors	800553	8025-26	495.00
Interspiro Spiromatic and Spirolite SCBA facepiece		8025-21	665.00
Interspiro Spiromatic S and S4 SCBA facepiece		8025-21S	730.00
MSA Advantage 1000, Millennium; Also 3M FR-M40, US Mil MCU-2/P, M40		8025-29	135.00
MSA Advantage respirators with bayonet filters		8025-30	165.00
MSA Comfo and Advantage half or full-face masks	800785	8025-14	360.00
MSA Ultra Elite, Advantage 3100 (40mm screw-ins)	800785	8025-22	320.00
MSA Ultra Elite w/ Quarter-Turn MMR (Not Firehawk)	800785	8025-22Q	360.00
MSA UltraView (incl. SCBA with screw-in connection, Ultra Twin, Phalanx)		8025-15	220.00
MSA UltraView with Quarter-Turn MMR		8025-15Q	260.00
MSA Ultra Elite Firehawk, Blackhawk, Airhawk Push to Connect		8025-31	285.00
MSA Millennium, US Mil M40/MCU-2P) Adapter Only		1081379	55.00
North masks (5400, 5500, 7600-7800, 80004, 800045, 85400A, 85500A, 800 series)	800553	8025-17	285.00
Protector/Sabre Phantom PAPR with 48mm thread	800553	8025-28	215.00
Scott full-face AV-2000, AV-3000, Scott-O-Vista, 65		8025-20	205.00
Survivair air purifying masks (Includes 2000, Blue 1, Low Mtce, 4000, 20/20)	800553	8025-12	225.00
Survivair positive-pressure SCBA masks, Panther-style MMR (Classic, 20/20, OPTI-Fit)	800553	8025-13	435.00
US Safety, all masks	800553	8025-25	200.00
Wilson F-series facepieces with 1" screw-on filters		8025-23	385.00
Wilson T-series bayonet-type masks, GT-series small diam screw-on connections	800553	8025-19	270.00
Generic 40mm facepieces	800553	8025-CEN	220.00
Gas masks with standard US military drink tubes	801633	8025-USMIL	200.00
Accessories and Consumables			
Filtering Facepieces Probe Kit (500 probes and tool set)		8025-N95	190.00
Refill Kit for 8025-N95 (500 probes and push-nuts)		8025-N95R	130.00
Refill Kit #1 (50' tubing, 200 clips, 200 suction cups)		800553	120.00
Refill Kit #2 (50' tubing, 200 clips, 200 suction cups)		800785	120.00
Refill Kit #3 (250 clear PVC tubes, 400 barbed elbow fittings)		801633	135.00
Particle generator for PortaCount Pro and Pro+		8026	840.00
Salt tablets for particle generator (Bag of 100)		803011	40.00
Reagent-grade alcohol (Case of 16 30ml bottles)		8016	115.00
Zero check HEPA filter for PortaCount Pro and Pro+		803X-ZFLTR	35.00
10-Pack alcohol wicks, screens (For TSI 8030 and 8038)		8033	125.00
Sample hose kit, three 5' twin tubes, 10 adapters ea: 3/16", 1/4"		8017	115.00
Twin tube, one 5' blue/clear tube		800197	25.00
18" Pendant twin tubes for N95 testing, pack of five		801501	45.00

Respirator Fit Testers

OHD Quantifit REDON Protocol Quantitative Respirator Fit Test System

With the OSHA-approved five-step controlled negative pressure REDON protocol, a typical OHD Quantifit test can be completed in less than three minutes.

Quantifit can store 500 tests without connecting to a PC. But for easy data management, your data can be downloaded to FitTrack software (included free with every rental) or backed up to a memory stick as a text file for safe keeping.

D	W	M
$150.00 Daily	**$450.00** Weekly	Call Us!

Kit includes: *Quantifit base unit, keyboard, trigger response button, triple-tube assembly, 115V US power cord and transformer power supply, USB interface cable, rigid carrying case, user manual, and FitTrack software.*

Don't forget your mask adapter. Just tell our team what brand and model of mask you'll be testing, and they'll include the adapter kit with your rental.

Popular adapter kits available free with your fit test system rental.

OHD Adapter Kit #1 fits

3M
Airstream Systems
Breathe Easy 3, 7 & 8
FR-M40
Powerflow Systems
Racal Prime-Air
Select-Air 1 & 2

Avon Protection
FM12, CT12, SF10

Bacou/Dalloz/Willson
8600 Series with 40mm
SCBA Airline

Bullard/Sabre
Panaseal SCBA

Draeger
All SCBA with Screw-In or
Snap-In Demand Valves
BG4 Gas Mask
Combitox Nova Single Cartridge

Glendale/Bilson
Glendale DR6100

Interspiro
Interspiro "S"
Spirolite SCBA
Spiromatic SCBA

Kemira
Sari 019774

I S I
Frontier
Magnum/Magnum Plus
Ranger SCBA
Viking Fit Test Mask
Viking Non-Fit Test Mask

Life Air
All

MSA
Advantage 4000
Custom 4500 II
M95 Gas Mask
MCU-2A
Millennium
Phalanx Beta
Ultra Elite MMR
Ultra Elite w/40mm Connections
Ultralite II
UltraView
UltraView MMR
Workmask II
All Belt-Mounted Regulators, if
Mask Connection is Removed

North
Frontier
SCBA
SCBA Snap-in Older Style

R S I
Lifeair STD & XL

Scott
AV2000/AV3000
Promask 40
Scott-O-Vista
Sigma

Sperian (Survivair)
Opti-Fit CBRN
Panther & Sigma
Twenty-Twenty

Sundstrom
SE400

OHD Adapter Kit #6 fits

North
5400, 5500, 7600, 7700

OHD Adapter Kit #15 fits

3M
6000 and 7500 Series
Easi-Air Half Face
Easi-Air Full Face 7800S

OHD Adapter Kit #38 fits

MSA
Ultra Elite Airhawk and Firehawk

"Working with salesman David was a great experience. He was very patient and cooperative. I have had few experiences where I was treated with the professionalism and respect as I had with David. The equipment was in great condition and easy to operate. I will be a repeat customer and will be glad to recommend RAECO Rents to others with similar needs."
— *William B., Occupational Health Specialist*

Visit www.RaecoRents.com
E-mail rents@RaecoRents.com
Call 866-736-8347

New! Portable Process Survey Meters

TransPort PT878 Portable Ultrasonic Clamp-On Flowmeter

- For acoustically conductive fluids, clean liquids, or liquids with entrained solids or gas bubbles
- Measures flow rate through metal, plastic, or even concrete-lined pipes without penetrating the pipe wall
- Bidirectional flow range -40 to 40 feet/second
- No-leak measurement with drift-free accuracy
- Velocity, volumetric, and energy flow rates
- Large backlit LCD display with alphanumeric and graphic formats shows totalized flow and trend data
- Logs more than 100,000 flow data points
- Rechargeable battery pack for 9–11 hours continuous use
- No moving parts to wear or orifices to clog — No routine maintenance needed!

Don't have the staff to set up or monitor your flow survey? We'll be glad to connect you with our business partners who can help you get the job done!

Rental kit includes: *GE PT878 portable digital flowmeter, pair of 1.0 MHz high-performance clamp-on transducers (Class I, Div 1 approved), clamping fixtures for 0.5" to 2" (12 to 50mm) pipe or 2" to 24" (50 to 610 mm) pipe, universal block and rail clamping fixtures, universal power supply and battery charger with cable and connector, transducer cables with BNC and LEMO connectors, analog input and output cable, USB to Infrared converter, silicone grease, ultrasonic coupling gel, PanaLog Viewer software CD, and all required manuals in a hard carrying case.*

GE Transport PT878

D	W	M
$280.00 Daily	$840.00 Weekly	Call Us!

PM880 Panametrics Intrinsically Safe Portable Moisture Analyzer

- Measures moisture and humidity content of liquids and non-aqueous gases in -166° to 140° range
- Portable digital meter with handheld sample system
- Internal data logger stores up to 60 log/site files with more than 100,000 moisture data points
- Large graphic display shows real-time and logged data
- Intrinsically safe, IP67 rated enclosure with intrinsically safe aluminum oxide GE MIS Probe 2 moisture probe
- Sample system includes an inlet needle valve, a built-in coalescing filter and sample cell with a bypass needle valve and venting tube, a pressure gauge, and an outlet needle valve with venting tube.

Rental kit includes: *GE PM880 intrinsically safe, battery-powered portable digital hygrometer, sample system, MIS Probe 2 aluminum oxide moisture probe with cable, AC power adapter and battery charger, rechargeable NiMH battery pack, PanaLog Viewer software CD, USB to infrared converter, user manual, quick reference guide, calibration certificates, and soft carrying case.*

GE Panametrics PM880

D	W	M
$280.00 Daily	$840.00 Weekly	Call Us!

Did You Know...

If you return a rental car an hour late, some agencies will charge you for an extra day. If you check out of a hotel beyond the published time, some busy locations will tack on a full day fee. This isn't the case with RAECO Rents.

Need extra time with instrumentation you rent from us? We'll extend your rental at a pro-rated price based on your original rental agreement. Just call. A member of our team will work out all the details with you.

Aerosol Particulate Monitors

DustTrak™ DRX for Mass Concentration and Total PM Size

TSI's DRX laser photometers simultaneously measure particulate mass and size fraction at the same time — *something no other monitor on today's market can do.* Itt delivers the mass concentration of a photometer with the size resolution of an OPC.

Guaranteed In Stock!
For rentals one week or longer

DustTrak DRX is a continuous real-time 90° light-scattering laser photometer that simultaneously measures size-segregated mass fraction concentrations to PM1, PM2.5, respirable, PM10, and total PM size fractions. It can combine both particle cloud (total area of scattered light) and single particle detection to achieve mass fraction measurements.

DustTrak DRX 8533 kit includes desktop unit, two rechargeable 6600 mAH Lithium Ion batteries, power supply, zero filter, TrakPro data analysis software CD, USB computer cables, inlet caps, HEPA filters, calibration impactor kit with PM2.5 impactor, two impactor plates, impactor oil, 37mm cassette with mesh filter, stylus, 3' sample extension tube, filter removal tool, user manual, calibration certificate, and carrying case.

TSI 8533 Desktop Unit

D	W	M
$150.00 Daily	**$425.00 Weekly**	**Call Us!**

DustTrak DRX 8534 kit includes handheld unit, rechargeable 3600 mAH Lithium Ion battery, power supply, zero filter, inlet caps, USB computer cables, impactor kit with oil, PM2.5 impactor and impactor plate, screwdriver, three-foot sample extension tube, sheath air HEPA filters, filter removal tool, stylus, TrakPro data analysis software CD, user manual, calibration certificate, and carrying case.

TSI 8534 Handheld Unit

D	W	M
$150.00 Daily	**$425.00 Weekly**	**Call Us!**

DustTrak™ II for Mass Concentration of Aerosol Particulate

Replaces the retired TSI 8520

DustTrak II monitors are continuous real-time, single-channel 90° light-scattering laser photometers for determining the mass concentration of aerosols. A built-in pump lets you use size-selective inlet conditioners to measure aerosol concentrations to PM10, PM2.5, PM1, or respirable size fractions. These desktop models feature single-point datalogging plus user-adjustable alarm setpoints for instantaneous or 15-minute STEL readings.

Guaranteed In Stock!
For rentals one week or longer

DustTrak II 8530 rental kit includes desktop unit, rechargeable 6600 mAH Lithium Ion battery, power supply, zero filter, TrakPro software CD, USB computer cables, analog, inlet caps, 10mm Nylon Dorr-Oliver cyclone, impactor kit with PM1, PM2.5, PM4, and PM10 impactors, two impactor plates, impactor oil, sheath air HEPA filters, 3' sample extension tube, two 37mm cassettes with screen, stylus, filter removal tool, user manual, calibration certificate, and carrying case.

TSI 8530 Desktop Unit

D	W	M
$100.00 Daily	**$300.00 Weekly**	**Call Us!**

DustTrak™ 8535 Weatherproof Enclosure

Kit includes weatherproof case with survey tripod mount, 360° sampling inlet, water trap bottle, dust caps, internal equipment bracket with Velcro straps, tubing, plug, O-rings, weatherproof AC/DC adapter, internal battery system, USB cable, universal power supply, modem configuration software CD and user manual. Rent a Netronix Thiamis wireless communications kit, dipole antenna, charger, and tripod separately as needed.

TSI 8535 Field Enclosure

D	W	M
$50.00 Daily	**$95.00 Weekly**	**Call Us!**

Looking for a pre-wired, all-inclusive kit for outdoor dust monitoring?

Visit **www.RaecoRents.com**
E-mail **rents@RaecoRents.com**
Call **866-736-8347**

SIDEPAK™ AM510 Intrinsically Safe Personal Aerosol Monitor

- Concentration range: 0.001 to 20 mg/m3; Particle size range: Particle size range 0.1 to 10 μm; Built-in impactors for 0, 1.0, 2.5, or 10 μm cutoff
- Statistics functions: max, min, average readings, elapsed time, 8-hour TWA
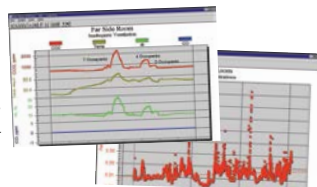- CSA-approved intrinsically safe for use in hazardous environments

Rental kits ship with *soft single-unit carrying case, 115/230 VAC power supply/charger, extended run NiMH battery and AA Alkaline battery pack, line power cord, impactor kit, cyclone kit, screwdriver, TRAKPRO™ data analysis software CD, USB cable, zero filter, sample tube, user guide, battery maintenance card, calibration certificate, and quick reference card.*

AM510 Aerosol Monitor

D	W	M
$75.00 Daily	$220.00 Weekly	Call Us!

All rentals for TSI products compatible with TRAKPRO™ data analysis software include the CD! Download the latest TRAKPRO™ version from *RaecoRents.com*

TrakPro™ complies to FDA 21 CFR Part 11 by offering secure and reliable data collection and classification for the AeroTrak® handheld and portable airborne particle counters. Unique user names and passwords, audit trail, password aging, and lockout after failed logins, means secure, tamper proof data transfer. Assigned security privileges control access and activity.

Thermo SCIENTIFIC pDR-1000AN DataRAM Personal Aerosol Monitor

- Concentration range 0.001 to 400 mg/m3; Particle size range 0.1 to 10μm
- Analog, digital, and alarm outputs for process control and remote transmission
- Logs a total 13,391 data points including average concentration, time/date, and data point number; 99 data tags max, selectable datalogging period 1 to 60 seconds

Kit ships with *soft shell carrying case, digital communications cable Z-pouch zeroing kit, belt clip kit, AC power supply, battery charger, analog output cable, communications software, calibration certificate, and 20-hour 9V battery.*

pDR-1000AN

D	W	M
$75.00 Daily	$200.00 Weekly	Call Us!

Did You Know...

Do you keep copies of calibration certificates for the instruments you use on projects? We've always included printed calibration certs in the rental kits of all the instruments that require factory calibration. The problem? Sometimes customers forget to make copies... or there isn't a copy machine available.

So now, it's even easier to keep track of cal certs for your projects. On the day your RAECO Rents order leaves our dock, you'll get an e-mail from us that includes PDF copies of the valid calibration certs for the instruments you'll be using. So now the cal certs for your rental kit come to you automatically in e-mail, so they're already digitized and easy to file with your project records.

Batteries, Solar Power, and More

When you're renting test instruments, it's important your rental team knows how long your test will run. That way, if there's a need for AC line power or extended/rechargeable batteries, they're included in your rental kit.

That's why the RAECO Rents team asks about the details of your test. It's not just about measurement range. Your success depends on us covering all the details, from range and accuracy to datalogging, reporting, and calibration documents.

Need longer-life batteries? Strobe lights for alarms in loud environments? Tripods to support your test kits? Just ask. We'll be sure to include it with your rental.

Particulate Concentration Monitors

AeroTrak™ 9306 Six-Channel Handheld Optical Particle Counters

- Logs up to 10,000 samples
- Includes internal audible alarm
- Color touchscreen operation and straightforward control with Windows CE operating system and TSI TrakPro™ Lite data download software
- 9306-01: Six fixed bin sizes, 0.3µm to 5µm
- 9306-V2: Six adjustable bin sizes, ranging from 0.3µm to 10µm, factory-calibrated at 0.3, 0.5, 1, 3, 5, and 10µm

9306-01 ships with *isokinetic inlet, purge filter, rechargeable Lithium Ion battery, power supply, zero HEPA filter, inlet cap, USB cable, TrakPro Lite download software, stylus, manual, quick-start guide, calibration certificate, and carrying case.*

9306-V2 ships with *9306-01 kit contents plus isokinetic hose barb and tubing.*

Replaces the retired TSI 8220

AeroTrak 9306-01

D	W	M
$70.00 Daily	**$210.00** Weekly	Call Us!

AeroTrak 9306-V2

D	W	M
$70.00 Daily	**$210.00** Weekly	Call Us!

P-Trak® 8525 Handheld Ultrafine Particle Counter

- Detects and counts ultrafine particles (0.02 to 1µm diameter)
- Identifies and measures the root causes of indoor air quality complaints
- Particles measured by focused laser light source and photodetector
- Logs up to 1000 hours at one-minute intervals, storage capacity 470 points

Ships with *tube, sample probe, shoulder strap, inlet screen, spare wicks, alcohol fill capsule, storage cap, cartridge, four 30ml bottles isopropyl alcohol, two zero filters, TrakPro software, USB cable, DB9/DB25 serial adapter, battery holder, six AA batteries, carrying case, calibration certificate, and manual.*

Particle sizes <1µm

P-TRAK 8525

D	W	M
$100.00 Daily	**$315.00** Weekly	Call Us!

EVM-7 Multifunction Particulate, VOC, and Air Quality Monitor

3M | QUEST TECHNOLOGIES now part of 3M

- Benchtop aerosol mass concentration monitor, indoor air quality meter, and area gas detector in a single device
- Simultaneously measures and logs particulate mass concentration, volatile organic compounds (VOCs), toxic gases, CO, and CO_2
- Dial-in rotary impactor for quick particulate selection (PM2,5. PM4, PM10, or TSP)
- Built-in sampling pump collects particles while the light-scattering photometer mass concentration engine provides real-time measurement

Kit includes *base model with PID sensor, CO_2 sensor, CO sensor, two 37mm gravimetric filter cassettes, 12 VDC universal power supply, USB cable, impactor grease, PID cleaning kit, pump protection filters, dust zero calibration filter assembly, toxic calibration adapter, user manual, 3M Detection Management Software, calibration certificate, and carrying case.*

EVM-7/CO

D	W	M
$150.00 Daily	**$300.00** Weekly	Call Us!

Did You Know...

All rental instruments with data download capabilities come with a free copy of the compatible software. Want a head-start on your rental? Download the latest software version from RaecoRents.com

Have problems installing software on your company PC? Don't suffer the IT security policy headaches. We'll gladly provide a laptop PC pre-loaded with the software you need. ($35.00/day, $105.00/week)

Visit www.RaecoRents.com
E-mail rents@RaecoRents.com
Call 866-736-8347

Monitor dust, noise, and VOCs with a convenient, field-ready, weather-safe kit!

(1) Monitor particulate around your perimeter.

(2) Real-time results transfer wirelessly to a secure data center.

(3) View, analyze, and prepare reports directly from your desktop, laptop, or mobile device using a standard web browser.

Perimeter Monitoring Systems

Get complete ready-to-use kits for monitoring environmental dust exposure for community air monitoring programs, local, state, and federal air quality control programs, and more.

We've simplified the process of renting weatherproof monitoring stations, by pre-configuring one that includes all the parts you need: monitoring devices, power supply (battery or solar), wireless data radio, weather-safe enclosure, tripod, and a weather station.

Order as many as you need to accurately cover the perimeter of your working environment. Depending on your application, you may want to order a kit with an attached weather station for monitoring temperature and humidity change, wind speed, and wind shifts.

When you order a perimeter monitoring system from RAECO Rents, you'll get web-browser access to our secure data center, where you can see real-time results from your monitoring kit and generate reports.

With a short training and setup call, you'll be able to install the equipment in the field, and start accessing real-time data over a secure web portal from your web browser (either on a PC or your mobile device).

Rent a Perimeter Dust Monitoring System

- TSI DustTrak II 8530 measures aerosol particulate concentrations to PM10, PM2.5, PM1.0 or respirable size fraction

- TSI 8535 DustTrak environmental enclosure houses all the digital devices and power supplies

- Netronix Thiamis ICU-820 combines control, datalogging, GPS, and GSM cellular modem communications. Sends data from each monitoring kit to a secure data center

- Includes secure access to Environet, for viewing data and creating reports using a PC or mobile device and a web browser.

- Optional weather station to measure wind speed and direction, air temperature and pressure, and humidity

- No easy access to power? Add an easy-to-assemble solar panel system.

Need your system to measure VOCs? Monitor area sound levels? Call us for help building the exact perimeter monitoring kit to fit your application needs.

Get a quote on your complete system. Call 866-736-8347.

Learn more at mobibrix.com/H4DC5G

3M | QUEST TECHNOLOGIES now part of 3M *Area Sound Level Meters*

SoundPro DL General Service Datalogging Type 1 or Type 2 Sound Level Meters

Datalogging Models!

- Acoustic standards: ANSI S1.4-1983, S1.43/1997, and S1.11-2004, EN/IEC 61672, EC/IEC 61260, IEC 60651, and IEC 60804
- Class 2 frequency with 1/1 or 1/3 octave band filters
- Measures SPL, Max, Min, Peak, Ln, Leq, Lavg, Sel, TWA, Taktm, Dose, PDose, Ldn, CNEL, and exposure

Includes *meter, calibrator, 1/3 octave band analyzer, wrist strap, windscreen, USB cable, 128MB SD card, microphone, 3M Detection Management Software CD, 9V battery, four AA Alkaline batteries, AC power adapter, user manual, calibrator, calibration certificate, and carrying case.* **This unit is not intrinsically safe.**

Optional Type 1 Microphone *QE4130 — Free field, Class/Type 1 microphone for measurements to 155 dB, 0.5" diameter (0.52"), condenser. Use for general, higher level, free-field measurements.*

Weatherproof enclosure kit includes *weather-resistant carrying case, microphone mast, windscreen, cable, rechargeable battery packs, AC charger for batteries, adapters, and user manual.*

(Type 1) SP-DL-1-1/3-AC3

D	W	M
$80.00 Daily	$240.00 Weekly	Call Us!

(Type 2) SP-DL-2-1/3-10

D	W	M
$80.00 Daily	$240.00 Weekly	Call Us!

SP-OMS Enclosure Kit

D	W	M
$75.00 Daily	$185.00 Weekly	Call Us!

RAECO Rents Outdoor Sound Level and Noise Metering Kit

- Daily sound level monitoring kit for outdoor applications. Battery provides single shift (12-hour) runtime. Kits for 24-hour runtime also available.
- SoundPro DL datalogging sound level meter with your choice of Type 1 or Type 2 microphone
- Remote web monitoring available using Netronix Thiamis. Sends alarms and alerts via SMS text message and e-mail.

Kit includes *3M Quest SoundPro DL sound level meter with microphone, calibrator, software, and USB cable. Weatherproof medium-sized Pelican case, one small sealed 22 amp hour lead-acid battery and charger, mast, windscreen, bird spikes, pre-amp extension cable, tripod mount, tripod, user manual and calibration certificate. Tripod and one battery included in price, but ship separately.*

Single Shift Outdoor Kit

D	W	M
$160.00 Daily	$450.00 Weekly	Call Us!

Sound Examiner SE-400 Datalogging Integrating Sound Level Meters

- Choice of general service (white) model with Type 2 microphone or intrinsically safe (red) model with Type 1 microphone
- 30 to 140 dBA overall range, 100 dBA total dynamic measurement range, 143 dBA max sampled peak
- Three selectable exchange rates: 3, 4, and 5 dBA
- A, C, and Z peak frequency weighing
- SPL, Lmax, Lmin, peak, Leq/Lavg, and elapsed time
- Averaging function for easy measurement in variable environments
- 2MB internal memory, logging intervals from 5 seconds to 60 minutes

Kits include *Sound Examiner with removable microphone, windscreen, calibrator and adapter, USB cable, AC charger, 3M DMS software, user manual, calibration certificates, and carrying case.*

3M SE-402-R-AC3

D	W	M
$60.00 Daily	$180.00 Weekly	Call Us!

3M SE-401-IS-AC3

D	W	M
$100.00 Daily	$300.00 Weekly	Call Us!

Visit www.RaecoRents.com
E-mail rents@RaecoRents.com
Call 866-736-8347

3M | QUEST TECHNOLOGIES *now part of 3M* — *Personal Noise Dosimeters*

Edge eg5 Intrinsically Safe Cordless Personal Noise Dosimeters

- Three dosimeters and datalogging/time history for measuring ranges 70 to 140 dB
- Intrinsically safe approval for use in explosive environments
- A, C, and Z weighting filters; slow, and fast time constants
- Simultaneous C-weighted and A-weighted measurements

Single rental includes *one dosimeter, one-unit EdgeDock docking station with power supply, USB cable, windscreen, 1/4" microphone, spare wind screen, user manual, DMS software CD, calibrator and adapter, calibration certificate, and carrying case.*

eg5-D Single Dosimeter

D	W	M
$70.00 Daily	$160.00 Weekly	Call Us!

Five-pack includes *five each: dosimeters, windscreen assemblies, 1/4" microphones, calibration certificates, plus one each: manual, DMS software CD, calibrator and adapter, five-unit EdgeDock docking station with power supply, spare wind screen, USB cable, and carrying case.*

5eg5-D-10 Five-Pack

D	W	M
$240.00 Daily	$670.00 Weekly	Call Us!

Guaranteed In Stock!
For rentals one week or longer

SV-104 General Service Personal Noise Dosimeter

- Measures 55 dBA RMS, 140 dBA Peak
- Records real-time audio events and voice comments
- A, C, and Z weighting filters; slow, fast, and impulse time constants

Single rental includes *one SV-104 dosimeter, 1/2" microphone, sound calibrator and adapter, USB cable, SvanPC++ software CD, user manual, calibration certificates, and carrying case.*

Five-pack includes *five each SV-104 dosimeter with 1/2" microphone. One each: sound calibrator and adapter, USB cable, SvanPC++ software CD, user manual, calibration certificates, and carrying case.*

SVANTEK

SV-104 Single Dosimeter

D	W	M
$80.00 Daily	$200.00 Weekly	Call Us!

SV-104 Five-Pack

D	W	M
$280.00 Daily	$720.00 Weekly	Call Us!

NoisePro DLX Type 2 Personal Noise Dosimeters

- Intrinsically safe approval for use in explosive environments
- Up to four independent dosimeter readings
- Ranges 40–100 dB, 70140 dB, and 115–143 dB Peak

NP-DLX kit includes *dosimeter, mic and cord, windscreen, calibrator and adapter, clothing clip, calibrator, IR/RS-232 PC interface cable, 3M Detection Management Software, training and demo CD, USB cable, manual, calibration certificate, and carrying case.*

Five-pack includes *five each: NoisePro DLX dosimeters, microphones with cords, windscreens, clothing clips, plus one each: PC interface cable, calibrator and adapter, watertight case, 3M DMS software CD, USB cable, manual, and calibration certificate.*

NP-DLX-CBL Dosimeter

D	W	M
$45.00 Daily	$135.00 Weekly	Call Us!

5NP-DLX10 Five-Pack

D	W	M
$185.00 Daily	$550.00 Weekly	Call Us!

3M Quest Sound Instrument Calibrators

Free with meter rentals!

- Your choice of QC-10 (114 dB @ 1000 Hz) or AC-300 (114 dB @ 250 or 1000 Hz)
- Calibrate Class/Type 1 and Class/Type 2 sound level meters and noise dosimeters

Kit includes *calibrator, battery, calibration certificate, and user manual. Microphone adapter not included.*

D	W	M
$20.00 Daily	$50.00 Weekly	Call Us!

Ventilation Test and Indoor Air Quality Instruments

VelociCalc® 9565 Multi-Function Ventilation Meter

- Measuring ranges (probe-dependent): 0-15,500 ft/min air velocity, 0-500 ppm CO, 0-5000 ppm CO2, low (ppb) or high (ppm) concentration ranges for VOCs, and 0°-200°F temperature (-40° to 1200°F with thermocouple probes)
- Displays up to five measurements simultaneously on large LCD display
- Calculates air flow, heat flow, turbulence, wet bulb and dewpoint

Replaces retired VelociCalc Plus 8386 and VelociCalc 9555

VelociCalc 9565-P

D	W	M
$30.00 Daily	**$80.00** Weekly	Call Us!

Includes *dP sensor and static pressure tip, rubber tubing, USB cable, LogDat and TrakPro software, user manual, carrying case, instrument and probe calibration certificates, power supply, and four AA Alkaline batteries.* **Choose probes below.**

Add Probes for Ventilation Testing (L to R)	D	W	M
995 Rotating Vane Probe (Velocity/Temperature)	$10.00	$40.00	Call
964 Air Velocity Probe (Velocity/Temperature/Humidity)	20.00	70.00	Call
982 IAQ Probe (Temperature/Humidity/CO/CO2)	30.00	100.00	Call
985 VOC Probe (Temperature/VOC ppm)	55.00	165.00	Call
966 Articulating Air Velocity Probe (Not shown)	70.00	160.00	Call
634634004 Pitot Probe	10.00	30.00	Call

IAQ-Calc™ 7545 Multifunction Indoor Air Quality Meter

- Single probe measures CO, CO2, temperature, and humidity
- Calculates percent outside air, dewpoint, and wet bulb temperature
- Stats function displays average/maximum/minimum values and a recorded sample count
- Sampling function records multiple point measurements
- Low-drift NDIR CO2 sensor for stable, accurate readings
- Datalogging supports 40,300 data points

Ships with *instrument, four AA Alkaline batteries, PC cable, download software CD, probe stand, CO2 and CO calibration collars, AC adapter, carrying case, calibration certificate, and manual.*

IAQ-Calc™ 7545

D	W	M
$60.00 Daily	**$180.00** Weekly	Call Us!

DP-Calc™ 8710-XX1 Micromanometer Kit with Probes and Velocity Matrix

- Measures pressure, temperature, humidity, volume and velocity
- 16-point velocity matrix for quick averaged readings per square foot
- Auto-zeroing feature eliminates manual zero calibrations between readings

Ships with *16-point velocity matrix, air flow probe, 18" Pitot probe, two static pressure probes, two Neoprene tubes, battery charger, four AA Alkaline batteries, neck strap, AC adapter, serial cable, telescoping handle, LogDat software, NIST calibration certificate, carrying case, and manual.*

Need a temperature/humidity probe?
Rent one for $12.00/day, $35.00/week.

DP-Calc™ 8710-XX1

D	W	M
$65.00 Daily	**$190.00** Weekly	Call Us!

Learn more at RaecoRents.com

***Specs, manuals, quick-start guides, software, and
free training videos available 24 x 7 x 365!***

TSI Alnor EBT731 0–2500 CFM Balometer

Replaces retired TSI AccuBalance Plus 8375

- Measurement range: 25 to 2500 CFM
- Pre-assembled hood frames reduce setup time
- Datalogging and download software for easy report generation
- Detachable manometer for use in other applications

Guaranteed In Stock!
For rentals one week or longer

Ships with *instrument, base assembly, 2'x2' hood, 18" Pitot probe, two static pressure probes, two 8' hoses, battery charger, four Alkaline batteries, LogDat1 software, interface cable, calibration certificate, and wheeled carrying case.*

Need a temperature/humidity probe, or a 1'x4', 3'x3' or 2'x4' hood and frame kit? Rent each for $12.00/day, $35.00/week.

TSI Alnor EBT731

D	W	M
$70.00 Daily	**$200.00 Weekly**	**Call Us!**

TSI Alnor 6200D LoFlo Balometer for 10–500 CFM Measurements

- Measurement range 10 to 500 CFM
- Analog display for air trends plus digital readings
- Ultra light weight for easy one-person operation

Includes *2'x2' air capture hood, frame, base, manometer, wheeled luggage-style carrying case, four C Alkaline batteries, NIST calibration certificate, and user manual.*

Add a 16"x16"x8" hood and frame kit: $12.00/day, $35.00/week.

LoFlo Balometer 6200D

D	W	M
$65.00 Daily	**$160.00 Weekly**	**Call Us!**

TSI Alnor HM685 Datalogging Hydronic Manometer for System Balancing

- Test and balance heating and cooling systems, check pump performance, set balancing valves
- Measure and display high side, low side, and differential pressure from 0 to 300 PSI
- Reads inches, feet, or meters H2O, psi, inches or mm Hg, kPa or bar
- Calculates flow using valve manufacturer's Cv factor, up to 100, Calculates heat flow, impeller diameter, and brake power

Kit includes *instrument with 6" temperature probe, red and blue hose assemblies with shut-off valves, two pressure/temperature gauge adapter probes, two ITT Bell and Gossett read-out probes, AC power supply, USB cable and TSI CompuDat software, battery kit, calibration certificate, and user manual.*

TSI Alnor HM685

D	W	M
$115.00 Daily	**$345.00 Weekly**	**Call Us!**

Geiger Counters and Radiation Detectors

SE Inspector Handheld Digital Radiation Alert Detector

- Geiger-Mueller tube detects low levels of alpha, beta, gamma, and x-ray radiation
- Range: 0.001 (1 µR)–100 mR/hr, 0–350,000 CPM, 0.01–1000 µSv/hr, 0–5,000 CPS
- Alert set range: 0.001–50 mR/hr and 1–160,000 CPM. 70db @ 1m
- SE Inspector EXP model includes built-in detector or external pancake probe

Kit includes *instrument, 9V battery, user manual, and soft carrying case.*

SE Inspector

W	M
$200.00 Weekly	**Call Us!**

SE Inspector Exp

W	M
$200.00 Weekly	**Call Us!**

Air Sampling Pumps and Air Flow Calibrators

SENSIDYNE
Industrial Health & Safety Instrumentation

GilAir Plus 5-Liter Universal Air Sampling Pump

- Available in three models: Basic, DL (datalogging), and STP (standard temperature and pressure compensated display)
- Constant flow 25-5000 cc/min, constant pressure 1-5000 cc/min
- High-flow and low-flow constant pressure, constant flow — no adapter required
- Up to 40" H2O back pressure in high flow, up to 25" H2O in low flow
- Automatically performs restart to recover from temporary faults
- Dock provides charging plus communication to PC or calibrator
- Battery proven to last 12 hours on a single charge

The GilAir Plus is available in three models: a basic model, a datalogging pump model (DL), and a standard temperature and pressure (STP) model. The STP model logs pump data and corrects the display flow rate and air volume to standard conditions of temperature and pressure.

The basic model dock provides charging and SmartCal automatic calibration only. The STP and DL model docks provide charging, SmartCal automatic calibration, and connection to a PC for downloading time-stamped pump data.

Single kit includes one sampling pump, single station communication/charging dock, USB cable, AC power supply, filter cassette holder, charcoal tube holder, pump management software, hex wrench, user manual, certificate of performance, and carrying case.

Five-pack kit includes five each: sampling pump, filter cassette holder, charcoal tube holder, certificate of performance plus one each: five-station communication/charging dock, AC power supply, hex wrench, pump management software, user manual, and carrying case.

GilAir Plus (Single)

W	M
$100.00 Weekly	Call Us!

GilAir Plus (5-Pack)

D	W	M
$150.00 Daily	**$450.00** Weekly	Call Us!

> *"Thank you for sending me two [GilAir Plus] models on which to perform tests...*
> *I needed assurance that any sampling pump employed can operate for at least 12 hours on a single battery charge. Based on my test results, I am confident that the GilAir Plus pumps can be effectively used to support air sampling for 12-hour work shifts. Thank you again for your outstanding customer support. I look forward to working with RAECO Rents again in the future."*
> — Christine B., CIH/CSP

Sensidyne Quad Tube Holder Kit

Compatible with GilAir-5 and all GilAir Plus pump kits

Kit includes tube holder housings, housing ends, collar clips, hose barbs, couplings, wrench, tubing, tube holder o-ring kit, in a clear storage box. Tube holders come in a variety of sizes, from Sensidyne standard to sizes for Kitagawa and Draeger tubes.

Quad Tube Holder Kit

W	M
$50.00 Weekly	Call Us!

GilAir-5 5-Liter Constant Flow Sampling Pump

- Constant flow 850–5000 cc/min, low flow (with included constant low flow module) 20–500 cc/min
- Intrinsically safe for use in Class I, Div 1 environments

Single pump kit includes one pump, constant low flow module, 120 VAC charger, filter cassette holding kit, air boss kit, 35" tubing, screwdriver, tool kit, carrying case, and user manual.

Five-pack pump kit includes five pumps and low flow modules, five-station charger, filter cassette holding kit, air boss kit, 35" tubing, screwdriver, tool kit, carrying case, and user manual.

GilAir-5 (Single)

W	M
$75.00 Weekly	Call Us!

GilAir-5 (5-Pack)

D	W	M
$100.00 Daily	**$350.00** Weekly	Call Us!

Visit **www.RaecoRents.com**
E-mail **rents@RaecoRents.com**
Call **866-736-8347**

"We (Consultants) only look as good as our equipment does. With Raeco Rents, everything looks great!"
— *Josh L., Engineer*

Bio-Pump® Plus Airborne Particulate Sampling Pump

Zefon INTERNATIONAL

- Flow range 0.01 to 15 liters per minute, accurate to within ±5%
- Three sampling modes: quick, single, or sequential

Kit includes *Bio-Pump Plus, low-flow resistance filter, Air-O-Cell flow meter, Air-O-Cell CSI flow meter, cassette manuals, instructional DVD, A/C adapter, user manual, and carrying case.*

Bio-Pump® Plus

W	M
$75.00 Weekly	Call Us!

Don't forget to buy a 10-pack of sampling media

	Price
Air-O-Cell Sampling Cassettes *For mold spores, pollen, insect parts, skin cells, fibers and inorganic particulate.*	**$45.00**
Air-O-Cell CSI Sampling Cassettes *For viable and non-viable particulate such as mold spores, pollen, insect parts, skin cell fragments, fibers (asbestos, fiberglass, cellulose, etc.) and inorganic particles.*	**$95.00**
Via-Cell Sampling Cassettes *For viable and non-viable bioaerosols maintains viability of the mold spores and prevents growth during transport to the lab.*	**$125.00**

4146 and 4046 Primary Air Flow Calibrator Kits

- TSI 4146 flow range: 0.01 to 20 liters/minute; TSI 4046 flow range: 2.5 to 300 liters/minute
- One unit for adjustment, calibration, and periodic checks
- Continuous real-time readings for fast, easy pump adjustment and calibration

TSI 4146 kit includes *flow calibrator unit, battery pack, zero filter, connector kit, dampening chamber module, carrying case, six AA Alkaline batteries, tubing, battery pack lugs, carrying case, user guide, and NIST calibration certificate.*

TSI 4046 kits includes *calibrator, soft sided carrying case, tubing, adapter, manual, inlet filter, NIST calibration certificate, six AA batteries.*

4146 Calibrator

W	M
$80.00 Weekly	Call Us!

4046 Calibrator

W	M
$80.00 Weekly	Call Us!

Don't Forget Your Pump Accessories!

Nylon Dorr-Oliver Cyclone

D	W	M
$6.00 Daily	$20.00 Weekly	Free with a pump rental!

Gilian Calibration Jar

D	W	M
$2.00 Daily	$3.00 Weekly	Free with a pump rental!

- 37mm Filter Cassette Kit: 37mm filter cassette, sampling tubing, U-tube, Luer adapter, lapel clip
- Adjustable Sorbent Tube Kit: Tube holder, 6mm x 70mm tube cover, sample tubing, and lapel clip

$5 flat fee each for any rental duration! For use with all RAECO rental pumps.

Did You Know...

When you do business with RAECO Rents, you won't pay rental fees when the unit is in transit to you. (You can't use an instrument if it's on a UPS truck. Why pay rental time for it?)

Your rental starts on the first FULL day the instrument is in your hands and ends on the day you ship the instrument back. Unless an instrument is schedule for early AM arrival, you are not charged rental costs for the day the unit gets to you. If you need a unit for Monday use, and we have it there on Friday, you don't pay for the weekend.

Refrigerant, Gas Leak and Airborne Contaminant Detectors

GasCheck G3 Leak Detector for Non-Flammable Gases

Locate non-flammable gases like helium and CFCs. Particularly sensitive to ammonia, argon, butane, helium, hydrogen, and SF6.

Includes *10" probe, spare battery clip, nozzle replacement tool, four AA Alkaline batteries, user manual, and ABS plastic carrying case.* **This model is NOT intrinsically safe.**

GasCheck G3

D	W	M
$95.00 Daily	$285.00 Weekly	Call Us!

> **"Your service is great!** I have used RAECO for 30+ years. I rented from you because I know you have good equipment, good service and good advice. I got the equipment I needed — I didn't care what brand or model as long as it worked and measured what I needed to measure. Keep up the good work."
> — **Kevin S., HVAC Specialist**

Formaldemeter htV Airborne Formaldehyde Meter

- Electrochemical cell for 0.05–10 ppm range
- Displays real-time formaldehyde levels plus temperature and humidity
- htV model automatically stores last 10 readings
  htV-m datalogging model capable of up to one month continuous monitoring with real time clock

Kit *includes meter, 5 phenol filters (each good for 5 tests), thermometer, pen, 9V Alkaline battery, calibration standard, user manual, and carrying case.*

htV–m datalogging and event logging model *also includes software and USB cable.*

Formaldemeter htV

D	W	M
$60.00 Daily	$160.00 Weekly	Call Us!

Formaldemeter htV–m

D	W	M
$175.00 Daily	$375.00 Weekly	Call Us!

MVI Portable Real-Time Mercury Vapor Monitor

- Dual beam UV absorption sensor with selective detection ranges 0.1–200 and 1.0–1999 µg/m
- No warm-up time required, three-second response rate, continuous 24-hour reading capability

Kit Includes *detector, PTFE probe with moisture trap, charger, datalogging kit, zero (carbon) filter, spare water trap filter, user manual, and carrying case.*

MVI

D	W	M
$140.00 Daily	$400.00 Weekly	Call Us!

IN USA Portable Ozone Spot Checker

- Measuring range 0–1999 PPBv ozone
- Analog output: 0 to 1.999 VDC
- One-second response time, 12-hour runtime on two AA batteries

Kit Includes *ozone detector, built-in micro pump, power cord, AA batteries, filters, USB cable, NIST certificate of traceability, user manual, and carrying case.*

IN-AET-055-PA

D	W	M
$70.00 Daily	$180.00 Weekly	Call Us!

Visit www.RaecoRents.com
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Call 866-736-8347

Combustion Efficiency Analyzers

Which Combustion Analyzer Do You Need?

For	O_2	CO	NO	NO_2	SO_2	T/C	CO2	Draft & Flow	Hydro-Carbons	CO low NO low	Pressure	Efficiency	Excess Air
E Instruments BTU4400	✔	✔	✔	✔		✔	✔calc				✔	✔calc	✔calc
Testo 330-2 LL	✔	✔	✔			✔	✔calc	✔			✔	✔calc	✔calc
Testo 340	✔	✔	✔	✔		✔	✔calc	✔			✔	✔calc	✔calc
Testo 350	✔	✔	✔	✔	✔	✔	✔calc	✔	✔	✔	✔	✔calc	✔calc

E INSTRUMENTS BTU4400 Commercial/Industrial Gas Analyzer

Measuring Ranges: 0–25% O2 volume, 0–8000 ppm CO (H2 compensated), 0–5000 ppm NO, and 0–1000 ppm NO2.

Guaranteed In Stock!
For rentals one week or longer

Includes *analyzer, sensors, standard or high temperature probe, Lithium Ion rechargeable batteries and AC charger, gas sampling probe and hoses, water trap with filter cartridge, protective rubber holster with magnetic supports, internal memory, PC software and USB cable, user manual, calibration certificate, and ABS plastic carrying case.*

BTU4400

D	W	M
$140.00 Daily	**$420.00 Weekly**	**Call Us!**

testo 330-2 LL Industrial Combustion Analyzer

Measuring Ranges: 0–21% O2 volume, 0–8000 ppm CO (H2 compensated), 0–3000 ppm NO.

Comes with *sensors for O2, CO, NO, calculates NOx, 7' hose, 12" probe, Li-Ion battery, charger with cord, infrared printer with paper, carrying strap, standard case, USB cable, software, calibration certificate, and user manual.*

330-2 LL Kit #2

D	W	M
$130.00 Daily	**$350.00 Weekly**	**Call Us!**

Testo 340 Portable Combustion Tuning Analyzer

Measuring Ranges: 0–25% O2 volume, 0–10000 ppm CO (H2 compensated), 0–3000 ppm NO, 0–500 ppm NO2.

Comes with *analyzer, sensors for O2, CO, NO, NO2, draft and flow, thermocouple probe, AC power adapter with Lithium Ion battery, filters, high temp engine probe, user manual, and transport case.*

340 Engine Kit

D	W	M
$145.00 Daily	**$450.00 Weekly**	**Call Us!**

Testo 350 Advanced Combustion Efficiency Analyzer

Measuring Ranges: 0–25% volume O2, 0–10000 ppm CO (H2 compensated), 0–4000 ppm NO, 0–500 ppm NO2, 0–5000 ppm SO2 standard.

Other sensors available: 0–500 ppm CO low, 0–300 ppm NO low, and Hydrocarbons (100–40000 ppm Methane, 100–21000 ppm Propane, and 100–18000 ppm Butane)

Includes *sensors for CO, O2, NO, NO2, SO2, (CO low, NO low, and CxHy available on request); control unit, particulate filters, printer paper, carrying strap, 12" engine probe with 7' hose and 12" thermocouple probe with 7' or 16' cable, heat shield, RS232 cable, software, 16' remote control cable, calibration certificate, transport case, and user manual.*

350 #3 Engine Kit

D	W	M
$210.00 Daily	**$525.00 Weekly**	**Call Us!**

350 #3 Engine Kit + CxHy

D	W	M
$250.00 Daily	**$650.00 Weekly**	**Call Us!**

Portable Gas Detectors

BW Technologies by Honeywell GasAlert Extreme Single Gas Monitors

Models Available: 0–1000 ppm CO, 0–30 ppm HCN, 0–100 ppm ETO, and 0–100 ppm SO2.

Approved for use in Class I, Div 1 and Class II, Div 1 environments.

Rental kit includes one detector, concussion-proof housing, selected sensor for CO, HCN, ETO, or SO2, field replaceable battery, stainless steel alligator clip, calibration/test cap and hose, user manual, and quick reference card.

GasAlert Extreme

W	M
$75.00 Weekly	Call Us!

Download gas detector readings to your PC with BW's IR Datalink USB adapter kit!

BW Technologies Connectivity Kit and Software

Infrared DataLink with BW Fleet Manager Software Compatible with GasAlert Extreme and GasAlert Quattro.

Connectivity Kit

D	W	M
$6.00 Daily	**$20.00** Weekly	Call Us!

BW Technologies by Honeywell GasAlert Quattro Personal Four-Gas Detector

Measuring Range: 0–30% O2, 0–1000 ppm CO, 0–200 ppm H2S, and 0–100% or 0–5% v/v LEL combustibles

Includes detector, sensors, rechargeable battery pack, wall charger, calibration cap and tubing, reversible screwdriver, concussion-proof housing, stainless steel alligator clip, user manual, materials booklet, and technical reference guide.

GasAlert Quattro

D	W	M
$45.00 Daily	**$100.00** Weekly	Call Us!

SENSIDYNE Industrial Health & Safety Instrumentation AP-20S Single Gas Detection Pump and Tube Kit

Kit includes Pump, spare tube holder, lubricant, carrying bag, and manual. Detector tubes sold separately. See our website for a complete list.

AP-20S Pump Kit

W	M
$30.00 Weekly	Call Us!

Most Popular Detector Tubes

($69.00 per Box of 10)

Gas/Vapor	Range	Cat #
Ammonia	0.5–30 %v	105SH
	0.2–20 ppm	105SD
	5–260 ppm	105SC
	50–900 ppm	105SB
Carbon Monoxide	0.1–20 %v	106UH
	1–50 ppm	106SC
	10–250 ppm	106S
Hydrogen Sulfide	1–60 ppm	120SD
	0.75–300 ppm	120SB
Nitrogen Dioxide	0.5–30 ppm	117SB

Don't see the tubes you need? Call us!

Visit **www.RaecoRents.com**
E-mail **rents@RaecoRents.com**
Call 866-736-8347

BW Technologies by Honeywell — GasAlert Micro5 Personal Multigas Monitors

Sensor		Range	Resolution	Model
Standard	CO	0–500 ppm	1.0 ppm	5, 5IR, 5PID
	O2	0–30.0%	0.1%	5, 5IR, 5PID
	H2S	0–500 ppm	1.0 ppm	5, 5IR, 5PID
	%LEL	0–100% LEL 0–5.0% v/v	1% 0.1%	5, 5IR, 5PID
	VOCs	0–1000 ppm	1 ppm	5PID
	CO2	0–50,000 ppm 0–5.0% v/v	50 ppm 0.01%	5IR
Optional	NH3	0-100 ppm	1.0 ppm	5
	SO2	0–150 ppm	1.0 ppm	5
	NO2	0–99.9 ppm	1.0 ppm	5

- Visual, vibrating, and 95 dB audible alarms for high, low, STEL, TWA, and over limit
- Integral motorized pump for remote sampling
- Compatible with BW Fleet Manager II data management PC software. Download the latest version at www.RaecoRents.com
- IECex, ATEX, CSA approved for use in Class I, Div 1, Group A-D environments

Micro5 kit includes *datalogging gas detector, sensors for CO, O2, H2S and %LEL (plus NH3, SO2, or NO2 as requested), rechargeable battery pack, cradle and charger, Alkaline battery pack, motorized sampling pump, Fleet Manager II software, sample probe, diffusion cover, and five-foot sample line, user manual, and carrying case.*

Micro5 IR kit includes *datalogging detector, sensors for CO, O2, H2S, %LEL, and CO2, rechargeable battery pack, cradle and, charger, Alkaline battery pack, pump module, diffusion cover, calibration cap and tubing, probe with tubing, screwdriver, Fleet Manager II software, user guides, manual, and carrying case.*

Micro5 PID kit includes *datalogging gas detector with 10.6 eV lamp, sensors for CO, O2, H2S, %LEL, and VOCs, lithium polymer battery pack and cradle charger, Alkaline battery pack, motorized sampling pump and diffusion cover, Fleet Manager II software, sample probe and 10-foot sample line, user manual, and carrying case.*

GasAlert Micro5
D $50.00 Daily | **W** $150.00 Weekly | **M** Call Us!

Micro5 w/NH3
D $85.00 Daily | **W** $190.00 Weekly | **M** Call Us! Monthly

Micro5 w/SO2 or NO2
D $65.00 Daily | **W** $175.00 Weekly | **M** Call Us! Monthly

GasAlert Micro5 IR
D $65.00 Daily | **W** $185.00 Weekly | **M** Call Us!

GasAlert Micro5 PID
D $60.00 Daily | **W** $165.00 Weekly | **M** Call Us!

MicroDock II Automatic Test and Calibration Station

- Fully automatic hands-free calibration and functional bump testing
- Verifies performance of audible and visual alarms
- Stores and updates calibration records, including time and date stamps for last calibration and last bump test

Includes *base station, docking modules (one per detector type as needed), charging cable, AC line power adapter, memory card, BW Fleet Manager II data analysis software, USB connector cable, fresh air inlet filter, four C Alkaline batteries, 2' calibration gas hoses, one gas cylinder inlet fitting, and user manual.*

MicroDock II
W $250.00 Weekly | **M** Call Us!

All portable and personal gas detectors are calibrated before shipping to you. Ready to use right out of the box.

Renting longer than a week? Ask us about calibration gases for bump testing. (Hazmat shipping charges will apply.) Call 866-736-8347.

Personal and Portable VOC Detectors

GasAlert Micro5 PID Personal Multigas and VOC Monitor

- Measures 0–30% O2 volume, 0–500 ppm CO, 0–500 ppm H2S, 0–100 %LEL (or 0–5.0% v/v), and 0–1000 ppm VOCs
- Visual, vibrating, and 95 dB audible alarms for high, low, STEL, TWA, and over limit
- Integral motorized pump for remote sampling
- Compatible with BW Fleet Manager II data management PC software. Download the latest version at www.RaecoRents.com.

Kit includes *datalogging gas detector with 10.6 eV lamp, sensors for CO, O2, H2S, %LEL, and VOCs, lithium polymer battery pack and cradle charger, Alkaline battery pack, motorized sampling pump and diffusion cover, Fleet Manager II software, sample probe and 10-foot sample line, user manual, and carrying case.*

GasAlert Micro5 PID

D	W	M
$60.00 Daily	$165.00 Weekly	Call Us!

MultiRAE Intrinsically Safe PID and Six-Gas Monitor

- Measures 0–30% O2 volume, 0–500 ppm CO, 0–100 ppm H2S, 0–100 %LEL, and 0–5000 ppm VOCs plus your choice of 0–100 ppm NH3, 0–50 ppm Cl2, 050 ppm HCN or 0–20 ppm SO2
- Displays real-time reading of gas concentrations plus STEL, TWA, peak and minimum. Includes visual, audible, vibratory and Man Down alarms
- Built-in sampling pump, automatic shutoff in low-flow conditions

Kit includes *MultiRAE PGM-6228 multigas detector, up to six sensors, probe with coiled Teflon tubing, calibration cap, spare filter, screwdriver, dual hex, PID removal tool, Alkaline battery pack, PC connection with power cable, USB cable, ProRAE Studio II software CD, quick start guide, and hard carrying case.*

MultiRAE

D	W	M
$87.00 Daily	$260.00 Weekly	Call Us!

MiniRAE 3000 Intrinsically Safe Photoionization Detector

- Detects from 0.1 to 15000 ppm volatile organic compounds with built-in correction factors for 350 different toxic compounds
- Built-in flashlight for better viewing in dark conditions and tight spaces

Kit includes *portable PID with 10.6 eV Krypton PID lamp, spare water trap filter, charcoal zero adapter, battery charger and cable, data download cable, software, user manual, certificate of calibration, and carrying case.*

MiniRAE 3000

D	W	M
$95.00 Daily	$235.00 Weekly	Call Us!

MicroFID II intrinsically Safe Advanced Flame Ionization Detector

- Detects from 0.1 to 50000 ppm volatile organic compounds
- 70-hour hydrogen supply, 15-hour battery life, audible and visual alarms
- Built-in Bluetooth wireless interface, compatible with handheld PDA for viewing detection data

Ships with *base unit, telescoping probe, 15-hour battery pack, A/C charger, hydrogen fuel cylinder, hydrogen fill regulator, multitool, spare inlet filters, instrument manual, charger manual and instruction sheet, and carrying case.*

Photovac MicroFID II

D	W	M
$175.00 Daily	$450.00 Weekly	Call Us!

Replaces retired Photovac MicroFID

Visit www.RaecoRents.com
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Call 866-736-8347

"When I'm on site, I need to reach someone who knows how to help me. I had several questions and Matt was great! I called him more than once during this job."
— Susan M., IH Consultant

PhoCheck Tiger Photoionization Detector (PID) for VOCs

- Dynamic range ppb to 20,000 ppm for specific volatiles
- LED, vibratory, and audible alarms — pre-programmed time-weighted average (TWA) and short-term exposure limits (STEL) for up to 450 different gases
- Logs >120,000 data points including date and time stamp, 33 hours at one log per minute
- Accuracy to ±5% display reading ±1 digit
- Intrinsically safe ATEX, IECEx, and cUL approvals
- Battery runtime up to 30 hours, and can be changed in hazardous areas

Includes *Detector with your choice of 10.6 eV or 11.7 eV Krypton PID lamp, rechargeable Lithium Ion battery, charger and power adapter, rubber boot, carbon zero filter assembly and filter adapter, PTFE filter disc, removal tool miniPID stack, 60mm probe tube, PID lamp cleaning kit, lanyard, USB memory stick with software, USB cable, spare AA Alkaline battery pack, user manual, and carrying case.*

PhoCheck Tiger (10.6eV)

D	W	M
$95.00 Daily	$235.00 Weekly	Call Us!

PhoCheck Tiger (11.7eV)

D	W	M
$110.00 Daily	$275.00 Weekly	Call Us!

Tiger Select PID for Benzene and Total Aromatic Compounds

- Reads 0–20000 ppm in TAC mode (gas-dependent), 10 ppb or 0.033 mg/m3 benzene when used with benzene pre-filter tube; Can also be used in standard PhoCheck Tiger mode for VOCs
- Two-tone LED (high and low) and audible alarms — eight-hour time-weighted average (TWA) and 15-minute short-term exposure limits (STEL)
- Logs >120,000 data points including date and time stamp, 33 hours at one log per minute
- Accuracy to ±10% display reading ±1 digit benzene
- Intrinsically safe ATEX, IECEx, and cUL approvals

Includes *instrument with 10.6 eV Krypton PID lamp, rechargeable Lithium Ion battery, charger and power adapter, rubber boot, carbon zero filter assembly and filter adapter, PTFE filter disc, removal tool miniPID stack, Draeger benzene pre-filter tubes and tube opener, carbon filter adapter, sample cleaning compound, calibration adapter, lanyard, USB memory stick with software, USB cable, spare AA Alkaline battery pack, user manual, calibration certificate, and carrying case.*

Tiger Select Benzene/TACs

D	W	M
$90.00 Daily	$235.00 Weekly	Call Us!

Measure VOCs as part of your perimeter monitoring system.

Call us for help building the perimeter monitoring kit to fit your exact application needs.

Curing Instrumentation Buyers' Remorse

You purchased a measurement instrument. But after one use or a few, it sits on a shelf gathering dust. When it does need to be used, it's a scramble to find parts and accessories, make sure the unit works, and verify that its calibration is current.

We call this problem Instrumentation Buyers' Remorse, and there's a cure. Send us your unused instrumentation. We'll keep it maintained and calibrated for you. If you need it, we'll ship it right out. Otherwise, with your consent, we'll rent it out or sell it on your behalf.

Call Matt at 866-736-8347 and ask about our new Consign-Rent service.

3M QUEST TECHNOLOGIES now part of 3M *Heat Stress Monitors*

3M QUESTemp Portable Area Heat Stress Monitors

- QT36: Intrinsically safe area heat stress monitor with an integral RH sensor for quick, accurate indoor or outdoor WBGT index values; Multiparameter sensor for accumulations of temperature, humidity and air velocity data needed to calculate thermal comfort indices

- QT46: General service waterless wet bulb system measures and calculates dry bulb, wet bulb, and globe temperature, WBGT indoor/outdoor, relative humidity and heat index/humidex

QT-36 kit ships with *sensor bar mounted with wet bulb, dry bulb, and black globe thermometer, spare wicks, water bottle, 9V battery, serial cable with USB adapter, 3M Detection Management Software CD, calibration certificate, carrying case, and user manual.*

QT-46 ships with *sensor bar mounted with black globe thermometer, dry bulb thermometer, and RH sensor; verification module, 9V battery, serial cable with USB adapter, CD driver and instructions, 3M Detection Management Software CD, calibration certificate, user manual, and carrying case.* **This model is not intrinsically safe.**

Air Probe-120 Add on *(use with QT-46 only) for true wet-bulb calculations.*

QUESTemp 36

D	W	M
$65.00 Daily	$175.00 Weekly	Call Us!

QUESTemp 46

D	W	M
$65.00 Daily	$175.00 Weekly	Call Us!

Air Probe-120

D	W	M
$45.00 Daily	$135.00 Weekly	Call Us!

3M QUESTemp II Intrinsically Safe Personal Heat Stress Monitor

- Measures and records core body temperature, detects a worker's individual physiological response to prolonged heat exposure
- Temperature sensor measures 89.6° to 104° F with ±0.2° F accuracy
- Minute-by-minute datalogging of personal heat exposure, including time stamp, detailed time history data, and overall summary data
- User-selected alarm trip points give audio alert at elevated core temperatures to minimize worker heat stress risk

QT-II ships with *monitor, cable for ear sensor, thermoplastic earmold with speaker assembly, 5 replacement expandable foam ear plugs, digital oral thermometer, 5 oral thermometer disposable sheaths, serial cable with USB adapter, 3M Detection Management Software CD, storage case, and user manual.*

5-Pack kit includes *five QT-II monitors with cables, earmold speaker assemblies, 25 expandable foam ear plugs, plus one digital oral thermometer, 10 oral thermometer disposable sheaths, serial cable with USB adapter, 3M Detection Management Software CD, storage case, and user manual.*

QuesTemp II (Single)

W	M
$150.00 Weekly	Call Us!

QuesTemp II (5-Pack)

D	W	M
$175.00 Daily	$750.00 Weekly	Call Us!

3M Detection Management Software Included!

Compatible with 3M and Quest datalogging noise dosimeters, sound level meters, heat stress monitors, and environmental air quality monitors.

DMS helps you navigate your data, create drag-and-drop reports, find the specific test data you need, and sort into sessions and studies. Lets you produce logged data charts, statistical charts, data panels, exceedance charts, and summaries.

All 3M Quest rentals come with Detection Management Software.
Download the latest version free today at www.RaecoRents.com

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Call 866-736-8347

Non-Destructive Testing and Visual Inspection

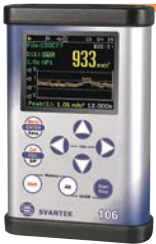## Mark 10 Series 5 Datalogging Digital Force Gauge

- Capacities from 0.12 to 500 pounds; Accuracy of ±0.1% full scale ±1 digit
- Display features setpoint indication, pass/fail indicators, number of saved data points, a tension/compression indicator, peak and current readings
- Configurable audio alarms and key tones
- On-board memory for up to 1000 readings

Kit includes *instrument, chisel, cone, V-grove, screw and hook, flat, extension rod, universal voltage AC adapter, battery, single handle, two-handle base, three push attachments, USB cable, resource CD with USB driver, MESURgauge demo software and PDF user manual, printed quick-start guide, NIST traceable calibration certificate, and carrying case.*

D $55.00 Daily | **W** $135.00 Weekly | **M** Call Us!

Svantek SV106 Datalogging Human Vibration Meter/Analyzer

- One meter does whole-body measurements and hand-arm measurements
- Six channels for acceleration (IEPE type) and two channels for static force measurements
- 1/1 and 1/3 octave real-time analysis

Kit includes *SV106 meter, four AA Alkaline batteries and spares, USB cable, software CD, carrying case, NIST calibration certificate, and user manual.* **Requires at least one of the accessories listed below.**

Vibration Measuring Accessories	D	W	M
SV105 Hand Arm Vibration Measurement	$30.00	$90.00	Call
SV38V Whole Body Vibration Pad	35.00	105.00	Call
SV207A-SO Building Vibration Measurement	110.00	330.00	Call

D $130.00 Daily | **W** $390.00 Weekly | **M** Call Us!

testo 880-3 Thermal Imager and Digital Camera

Great for seeing the heat that bleeds through walls, doors, and windows from poor construction, insulation or design, the heat of friction in a failing bearing of a motor or compressor, the heat from faulty electrical connections that are about to fail, or even the cooling created by moisture trapped behind a wall or under a floor that can cause mold growth.

Comes with *1 GB SD card, black protective lens and cap, lens cleaning cloth, USB cable, rechargeable battery, Allen wrench, wrist strap, tripod mounting plate, software, power supply/charger, user manual, and carrying case.*

D $130.00 Daily | **W** $350.00 Weekly | **M** Call Us!

> *"David was very efficient setting up my rental. The thermal imager helped identify some potential issues for my client."*
> — **Kevin V., Consultant**

Testo 318-V Video PRO Confined Space Digital Inspection Tool

- 42" water-tight small-diameter (0.42") flexible shaft
- 2.5" color 320x240 high resolution LCD display
- Clip-on mirror for 90° viewing, clip-on magnet to retrieve objects up to a quarter pound

Kit includes *digital inspection scope, mirror tip, magnetic tip, carrying case, four AA batteries and manual.*

Testo 318-V

W $40.00 Weekly | **M** Call Us!

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Quick Delivery for Our Western U.S. Customers!

We're pleased to announce the opening of our western regional warehouse in Utah. It's currently housing our most popular rental items, like 3M Quest noise dosimeters and TSI fit test systems and air velocity meters. With this new facility, we've improved quick delivery nationwide without any additional cost burden to you.

RAECO Rents Instant-On Guarantee

If our equipment doesn't arrive in working order, your rental is FREE for as many days as it takes us to get you a working unit. So, if we ship you a unit that doesn't work out of the box, and the replacement takes two days to arrive, you won't pay for those two days — and we'll add two free rental days to make up for any lost time.

Get your rental late? Let us know. If your rental equipment has been held up by bad weather, issues with the carrier, or other factors beyond our control, call us. We'll adjust the rental period to satisfy your requirements (and you won't be charged for the additional time.)

After-Hours Support

If you rent from us and need support during non-business hours (8am–5pm CST), call 866-736-8347 x2000, and leave us a message. Our on-call rental technician will call you back as soon as possible.

There are tons of resources available at our website. Visit *www.RaecoRents.com/train/* for hours of video demonstrations and tips on our most popular rental products. On each product's page, you'll also find quick-start guides, user manuals, and links to download free software for your project.

Easy Return Procedures

We include a pre-printed, pre-paid return shipping label and packing tape in every rental kit for easy rental return. If we need the rental back sooner, we may ask you to use a priority label that we generate at our cost. Just stick the label on the box and drop it off at any one of UPS's 40,000 drop points. Visit *UPS.com* to find the UPS location closest to you.

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